

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082823AL\
 Data File : FF013391.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2023 09:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :Ankita Jodhani 08/29/2023

Integration File: autoint1.e
 Quant Time: Aug 28 22:19:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 16:05:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.892	2396724	17.444 ug/ml
Spiked Amount 50.000		Recovery =	34.89%
12) S 1-chlorooctadecane (S...	13.331	1832126	17.483 ug/ml
Spiked Amount 50.000		Recovery =	34.97%
Target Compounds			
1) T n-Nonane (C9)	3.274	1814789	16.984 ug/mlm
2) T n-Decane (C10)	4.530	1839884	17.169 ug/ml
3) T A~Naphthalene (C11.7)	6.232	2036947	17.206 ug/ml
4) T n-Dodecane (C12)	6.697	1874618	17.324 ug/ml
5) T A~2-methylnaphthalene...	7.327	2045363	17.256 ug/ml
6) T n-Tetradecane (C14)	8.524	1886643	17.478 ug/ml
7) T n-Hexadecane (C16)	10.133	1915756	17.673 ug/ml
8) T n-Octadecane (C18)	11.576	1936177	17.682 ug/ml
10) T n-Eicosane (C20)	12.887	1942164	17.699 ug/ml
11) T n-Heneicosane (C21)	13.498	1928879	17.557 ug/ml
13) T n-Docosane (C22)	14.084	1948682	17.749 ug/ml
14) T n-Tetracosane (C24)	15.188	1980120	18.023 ug/mlm
15) T n-Hexacosane (C26)	16.211	1971559	18.039 ug/ml
16) T n-Octacosane (C28)	17.159	1978505	18.324 ug/ml
17) T n-Tricontane (C30)	18.047	2058342	18.822 ug/ml
18) T n-Dotriacontane (C32)	18.879	2065872	18.289 ug/ml
19) T n-Tetratriacontane (C34)	19.662	1887569	17.770 ug/ml
20) T n-Hexatriacontane (C36)	20.400	1850144	17.553 ug/ml
21) T n-Octatriacontane (C38)	21.130	1873763	18.552 ug/ml
22) T n-Tetracontane (C40)	22.027	2049356	20.619 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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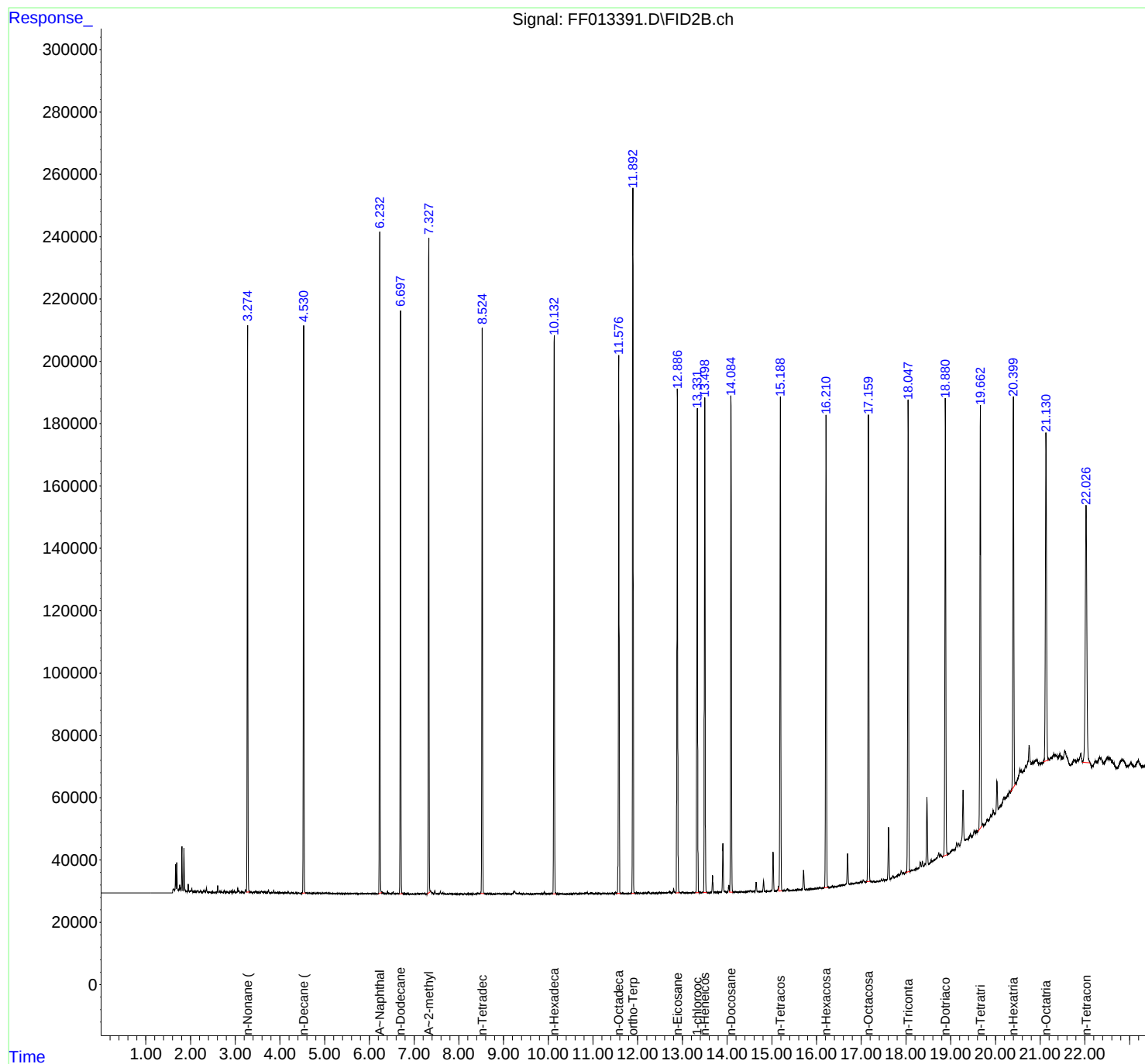
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20 PPM ALIPHATIC HC STD

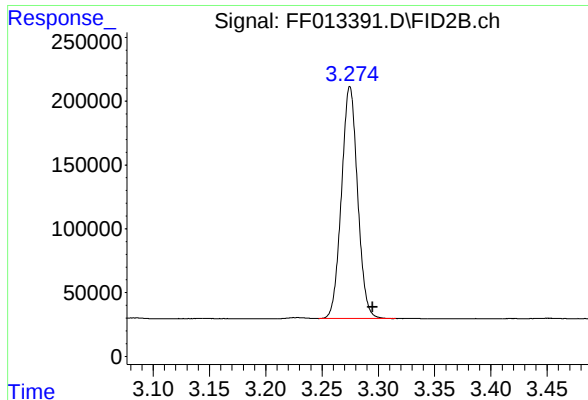
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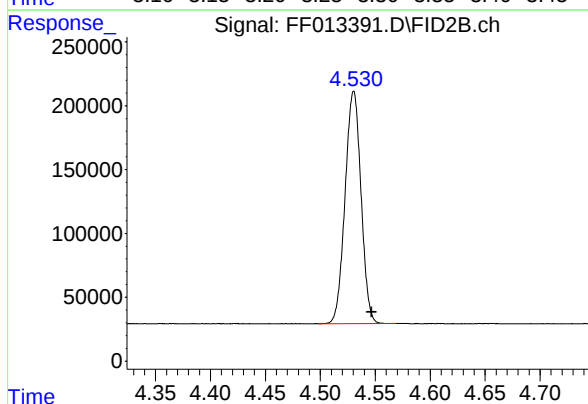
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: -0.021 min
Response: 1814789
Conc: 16.98 ug/ml

Instrument : FID_F
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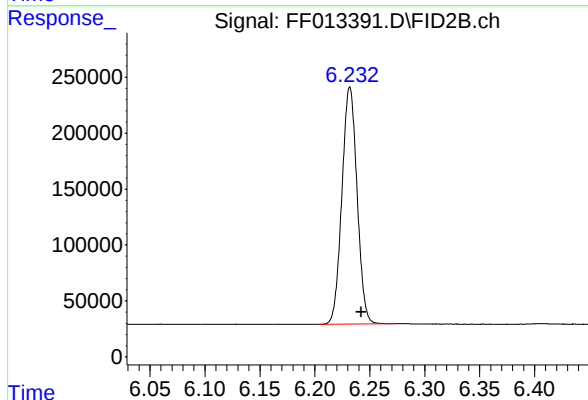
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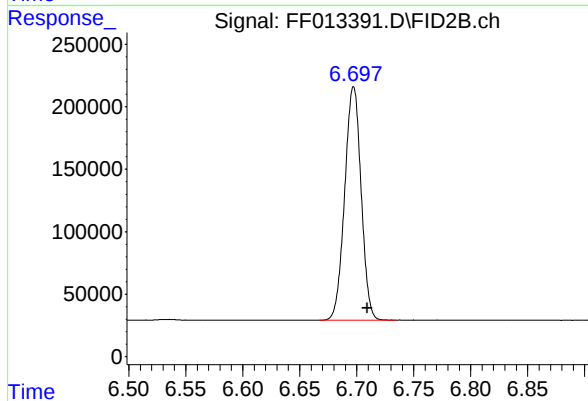
#2 n-Decane (C10)

R.T.: 4.530 min
Delta R.T.: -0.016 min
Response: 1839884
Conc: 17.17 ug/ml



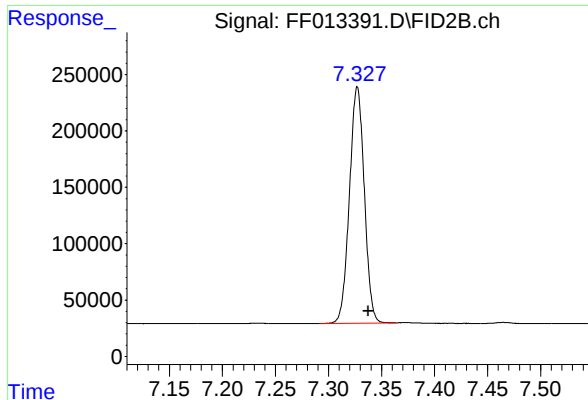
#3 A~Naphthalene (C11.7)

R.T.: 6.232 min
Delta R.T.: -0.011 min
Response: 2036947
Conc: 17.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min
Delta R.T.: -0.012 min
Response: 1874618
Conc: 17.32 ug/ml



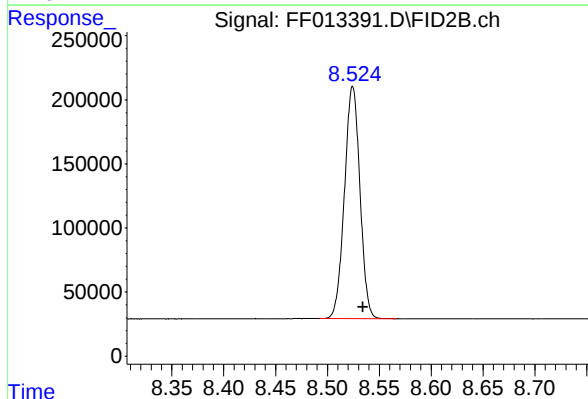
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.327 min
Delta R.T.: -0.010 min
Response: 2045363
Conc: 17.26 ug/ml

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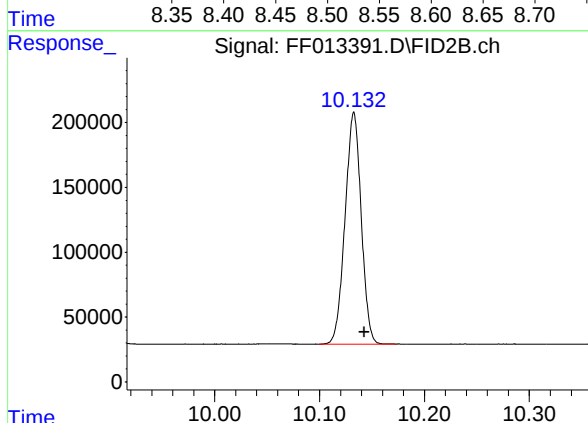
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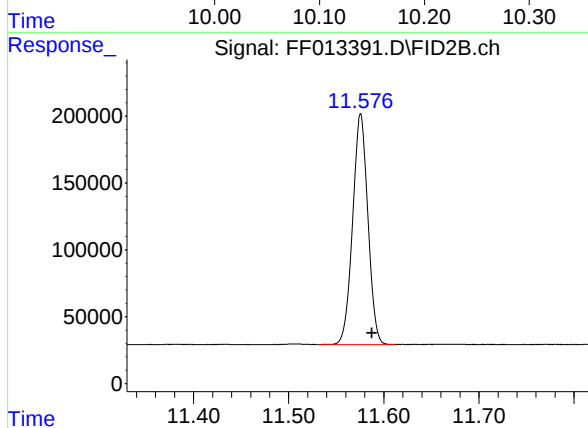
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.010 min
Response: 1886643
Conc: 17.48 ug/ml



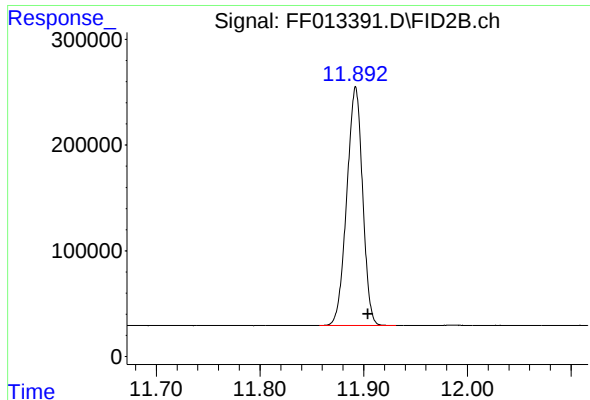
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: -0.010 min
Response: 1915756
Conc: 17.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.576 min
Delta R.T.: -0.012 min
Response: 1936177
Conc: 17.68 ug/ml



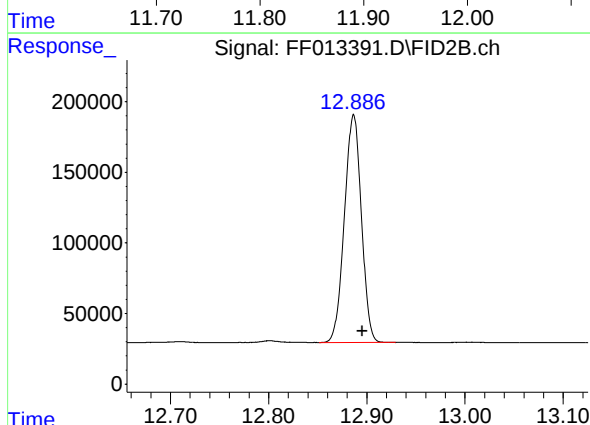
#9 ortho-Terphenyl (SURR)

R.T.: 11.892 min
Delta R.T.: -0.012 min
Response: 2396724
Conc: 17.44 ug/ml

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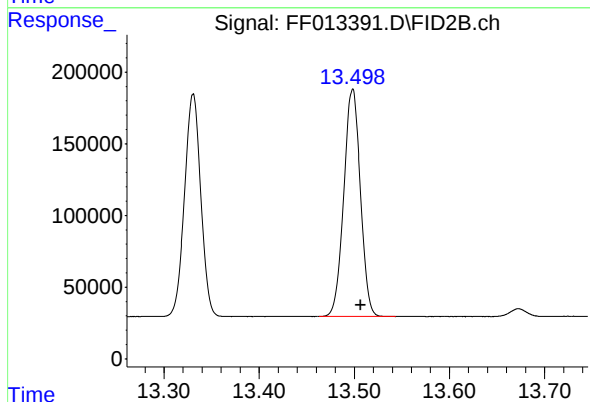
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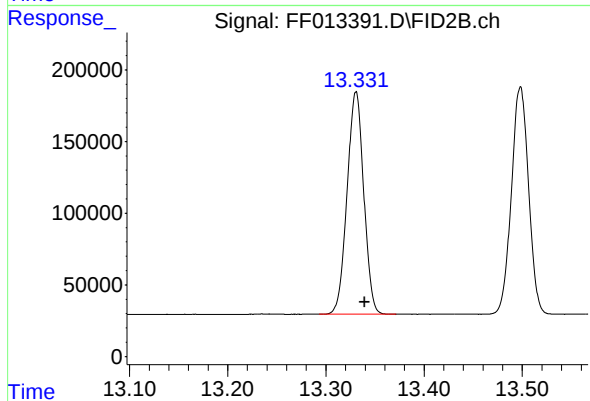
#10 n-Eicosane (C20)

R.T.: 12.887 min
Delta R.T.: -0.009 min
Response: 1942164
Conc: 17.70 ug/ml



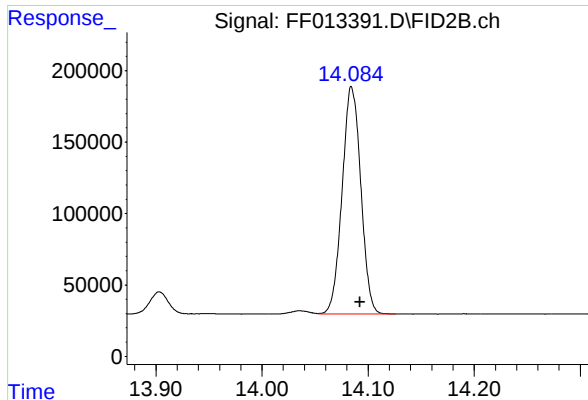
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: -0.009 min
Response: 1928879
Conc: 17.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.331 min
Delta R.T.: -0.009 min
Response: 1832126
Conc: 17.48 ug/ml



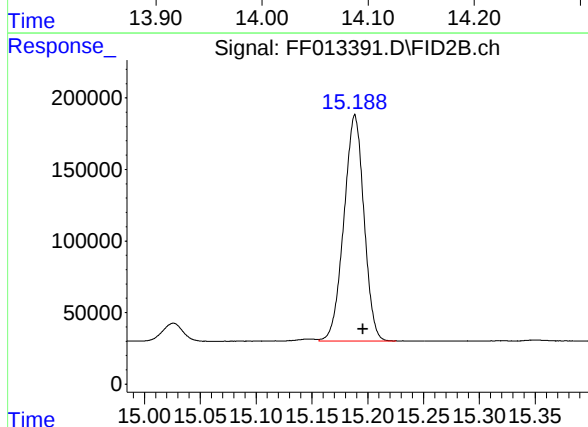
#13 n-Docosane (C22)

R.T.: 14.084 min
Delta R.T.: -0.008 min
Response: 1948682
Conc: 17.75 ug/ml

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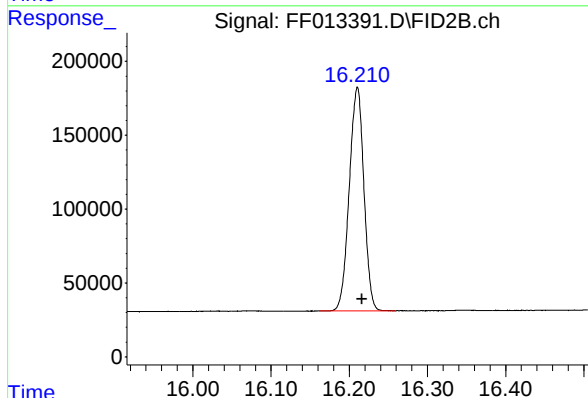
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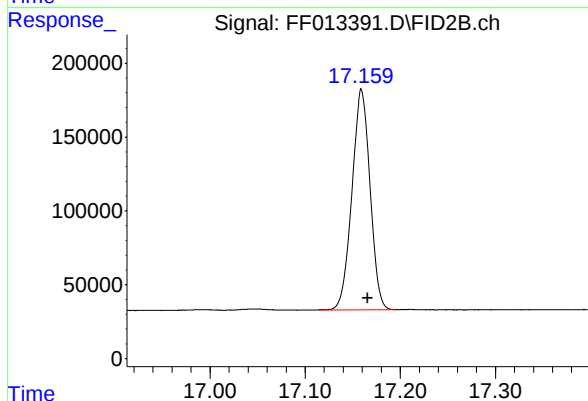
#14 n-Tetracosane (C24)

R.T.: 15.188 min
Delta R.T.: -0.007 min
Response: 1980120
Conc: 18.02 ug/ml



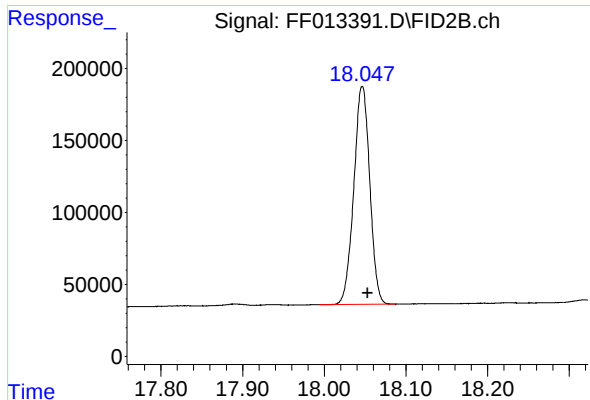
#15 n-Hexacosane (C26)

R.T.: 16.211 min
Delta R.T.: -0.006 min
Response: 1971559
Conc: 18.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.159 min
Delta R.T.: -0.007 min
Response: 1978505
Conc: 18.32 ug/ml



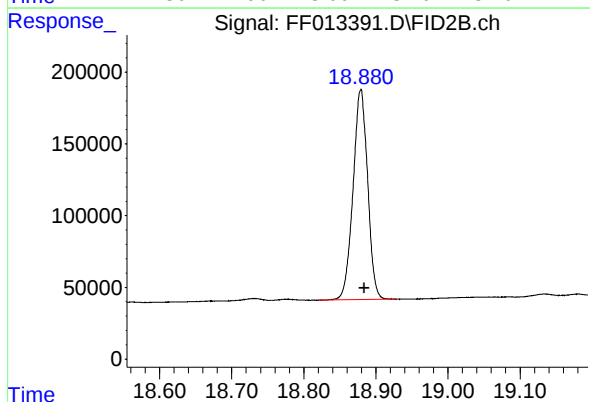
#17 n-Tricontane (C30)

R.T.: 18.047 min
Delta R.T.: -0.006 min
Response: 2058342
Conc: 18.82 ug/ml

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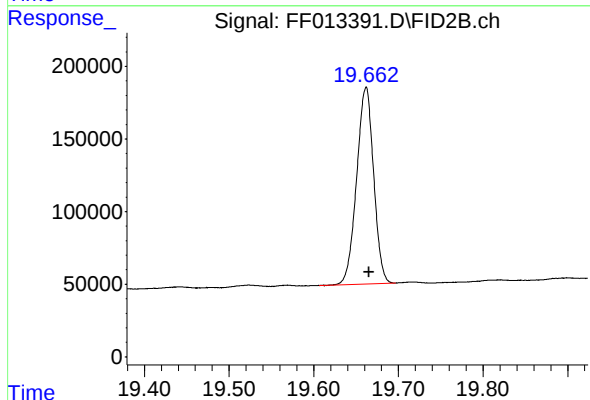
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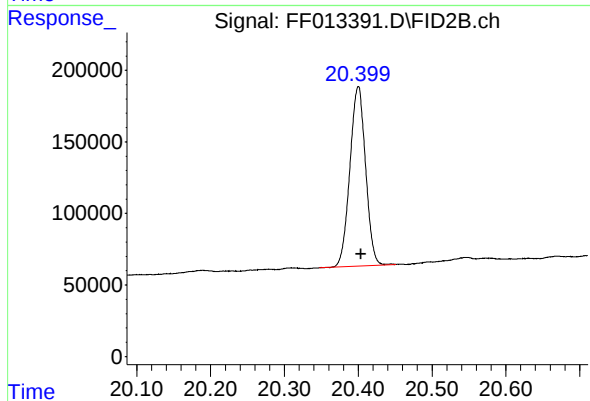
#18 n-Dotriacontane (C32)

R.T.: 18.879 min
Delta R.T.: -0.005 min
Response: 2065872
Conc: 18.29 ug/ml



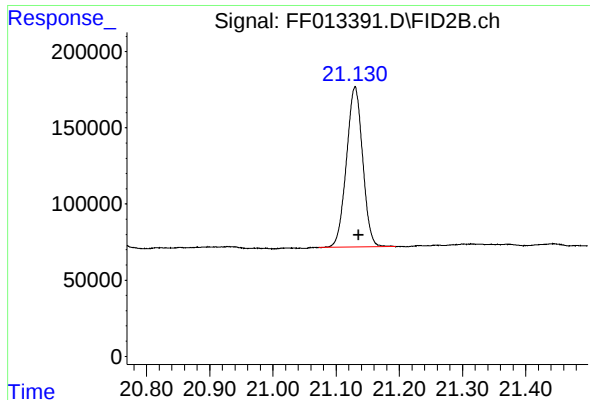
#19 n-Tetatriacontane (C34)

R.T.: 19.662 min
Delta R.T.: -0.004 min
Response: 1887569
Conc: 17.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.004 min
Response: 1850144
Conc: 17.55 ug/ml



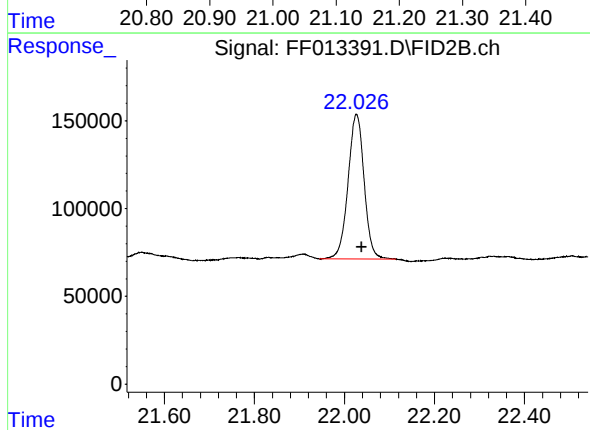
#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: -0.006 min
Response: 1873763
Conc: 18.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.027 min
Delta R.T.: -0.012 min
Response: 2049356
Conc: 20.62 ug/ml